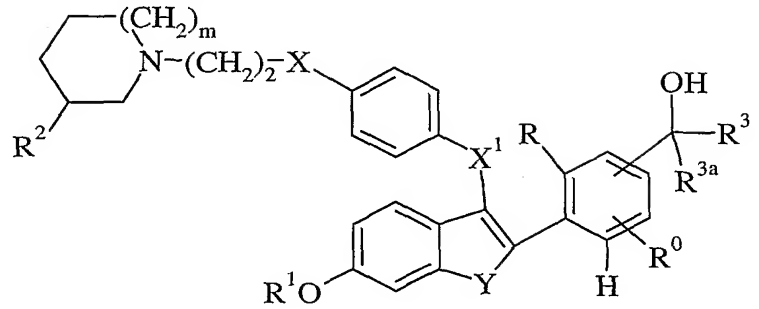
WE CLAIM:

1. A compound of formula I:



I;

wherein:

m is 0, 1 or 2;

R^0 is H, F or OH;

R^1 is H, SO_2(n-C_4-C_6 alkyl) or COR^4;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

X is O or NR^5;

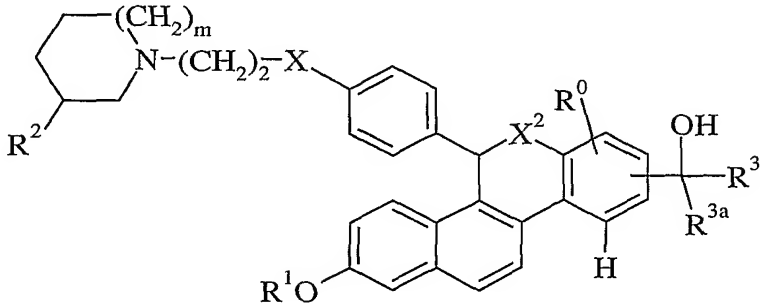
Y is S or CH=CH;

R^4 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^7, phenoxy, or phenyl optionally substituted with halo;

R^5 is H or C_1-C_6 alkyl;

R^6 and R^7 are independently H, C_1-C_6 alkyl or phenyl;

R is H and X^1 is O, CH_2 or CO or R combines with X^1 to form a moiety of the formula:



wherein X^2 is O or S; and

R^3 and R^{3a} are independently H or C_1-C_6 alkyl; or a pharmaceutical acid addition salt thereof.

2. The compound of claim 1 wherein R^0 is H.

3. The compound of claim 2 wherein R is H.

4. The compound of claim 3 wherein X and X^1 are O and m is 1 or 2.

5. The compound of claim 3 or claim 4 wherein R^1 is H or COR^4 and R^4 is C_1-C_4 alkyl, $NHCH_3$ or phenyl.

6. The compound of any one of claims 3-5 wherein R^1 is H.

7. The compound of any one of claims 3-6 wherein Y is CH=CH and m is 1.

8. The compound of any one of claims 3-7 wherein R^3 and R^{3a} are independently H or C_1-C_4 alkyl.

9. The compound of any one of claims 3-8 wherein R^3 and R^{3a} are independently H or methyl.

10. The compound of any one of claims 3-9 wherein the $COHR^3R^{3a}$ moiety is at position 4.

11. The compound of claim 2 wherein R combines with X^1.

12. The compound of claim 11 wherein X and X^2 are O and m is 1 or 2.

13. The compound of claim 11 or claim 12 wherein R^1 is H or COR^4 and R^4 is C_1-C_4 alkyl, $NHCH_3$ or phenyl.

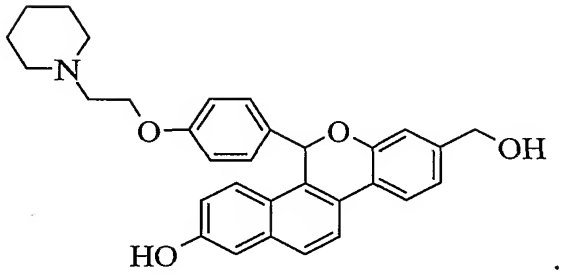
14. The compound of any one of claims 11-13 wherein R^1 is H and m is 1.

15. The compound of any one of claims 11-14 wherein R^3 and R^{3a} are independently H or C_1-C_4 alkyl.

16. The compound of any one of claims 11-15 wherein R^3 and R^{3a} are independently H or methyl.

17. The compound of any one of claims 11-16 wherein the $COHR^3R^{3a}$ moiety is at position 4.

18. A compound selected from the group consisting of:



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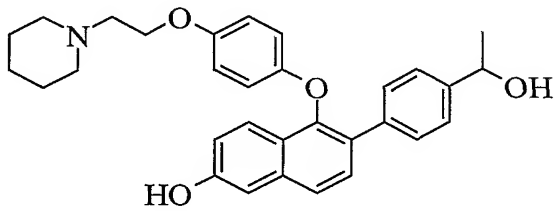

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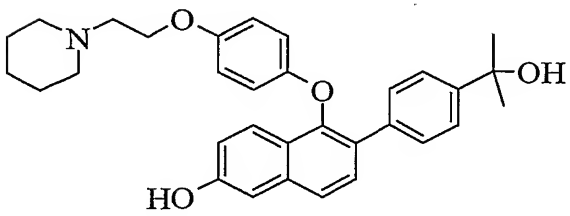
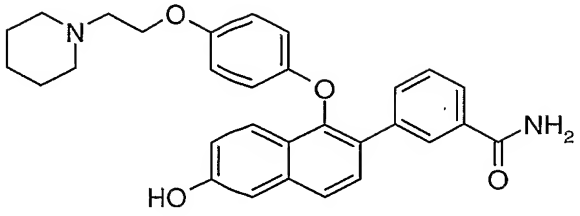


or a pharmaceutical acid addition salt thereof; or a compound selected from the group consisting of: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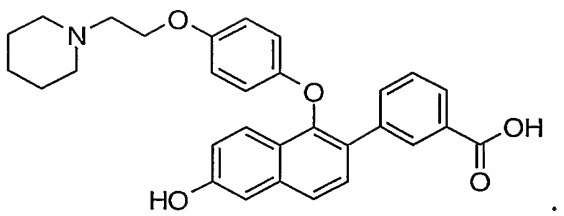
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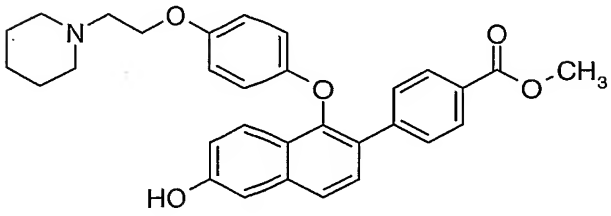
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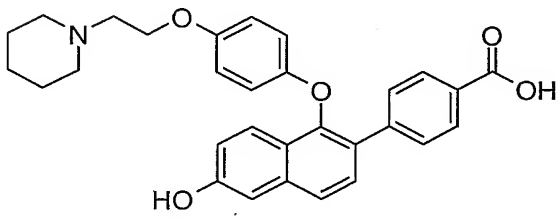
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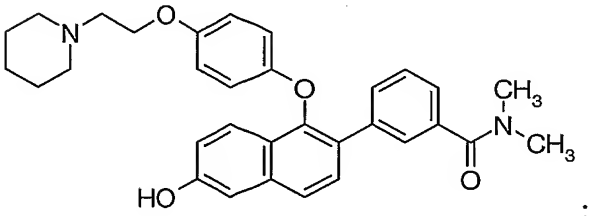
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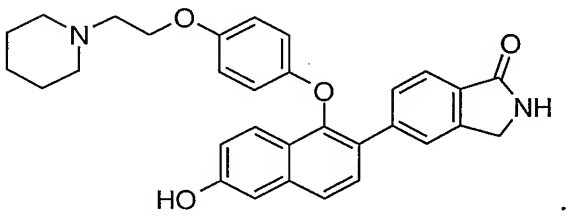
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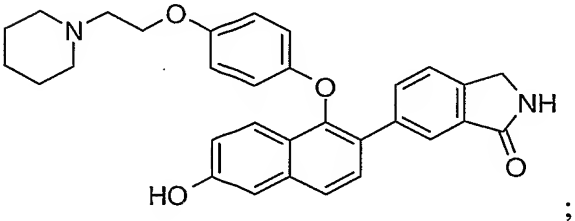
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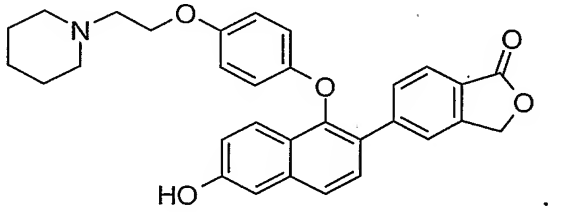
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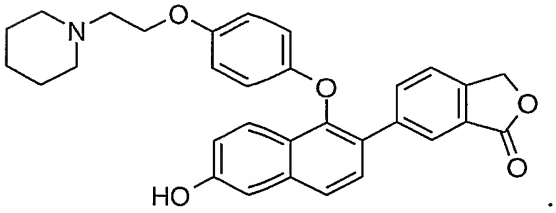
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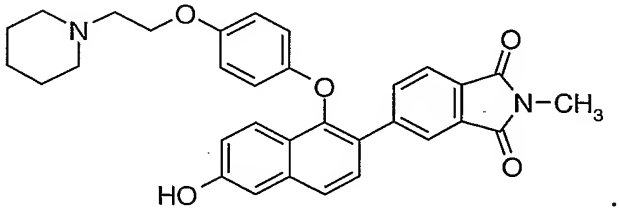
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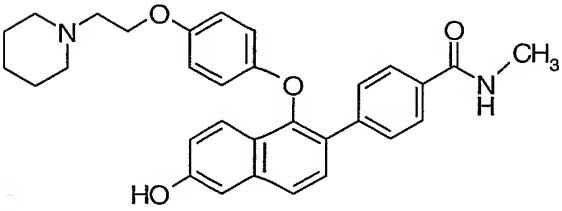
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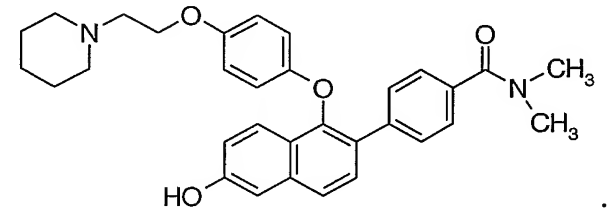
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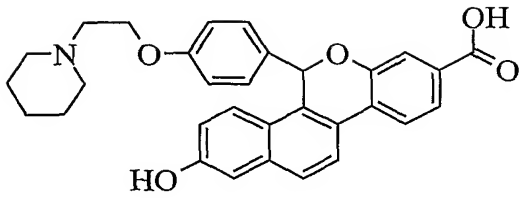
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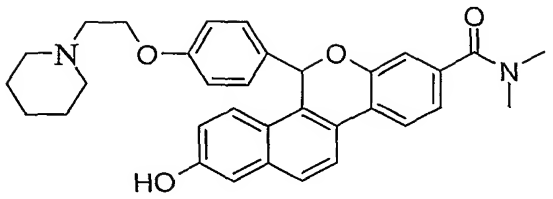
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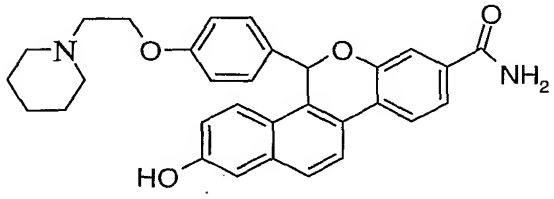
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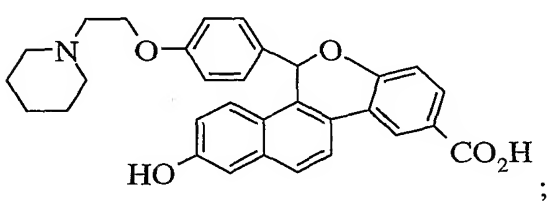
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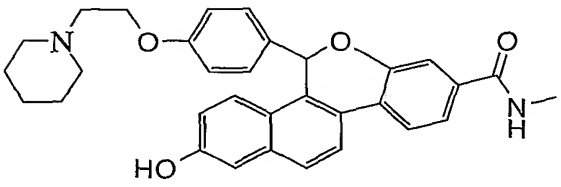
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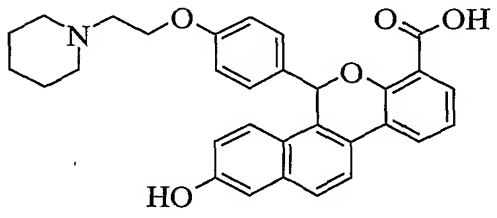
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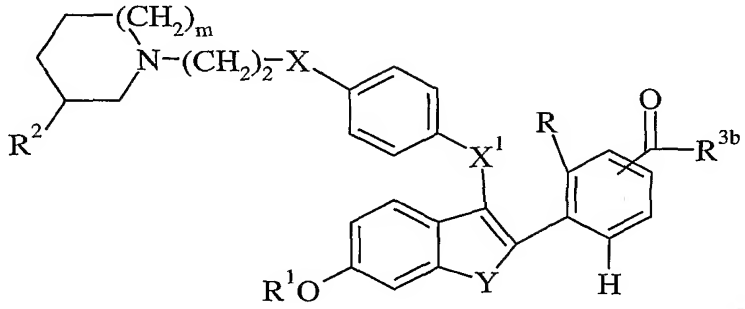
or a pharmaceutical salt thereof.

19. A compound of formula II:



II;

wherein:

m is 0, 1 or 2;

R^1 is H, SO_2(n-C_4-C_6 alkyl) or COR^4;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

X is O or NR^5;

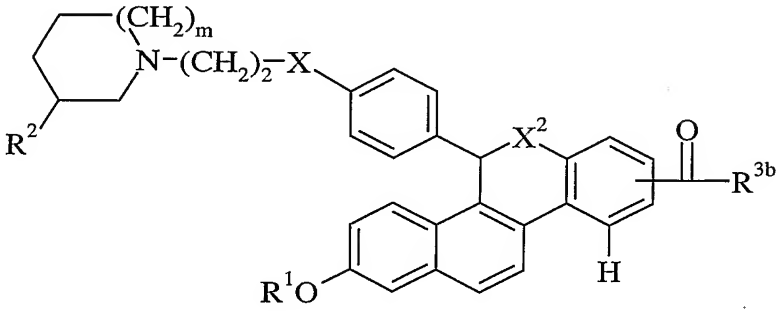
Y is S or CH=CH;

R^4 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^7, phenoxy, or phenyl optionally substituted with halo;

R^5 is H or C_1-C_6 alkyl;

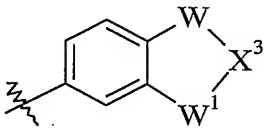
R^6 and R^7 are independently H, C_1-C_6 alkyl or phenyl;

R is H and X^1 is O, CH_2 or CO or R combines with X^1 to form a moiety of the formula:



wherein X^2 is O or S;

R^{3b} is NR^8R^9 or OR^{10} or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W^1 are CH_2 or C=O provided that at least one of W or W^1 must be C=O; and X^3 is NR^{11} or O; and

R^8 and R^9 are independently H or C_1-C_6 alkyl or R^8 and R^9 may combine with the nitrogen to which they are both attached to form a morpholino, pyrollidino or piperidino ring;

R^{10} and R^{11} are independently H or C_1-C_6 alkyl; or a pharmaceutical salt thereof.

20. The compound of claim 19 wherein R^8 and R^9 are independently H or C_1-C_6 alkyl.

21. The compound of claim 20 wherein X and X^1 are O and m is 1 or 2.

22. The compound of claim 20 or claim 21 wherein R^1 is H or COR^4 and R^4 is C_1-C_4 alkyl, $NHCH_3$ or phenyl.

23. The compound of any one of claims 20-22 wherein R^1 is H.

24. The compound of any one of claims 20-23 wherein Y is CH=CH.

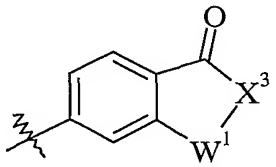
25. The compound of any one of claims 20-24 wherein the COR^{3b} moiety is at the 3- or 4-position.

26. The compound of any one of claims 20-25 wherein the COR^{3b} moiety is at the 4-position.

27. The compound of any one of claims 20-26 wherein R^{3b} is NR^8R^9 and R^8 and R^9 are independently H or C_1-C_4 alkyl.

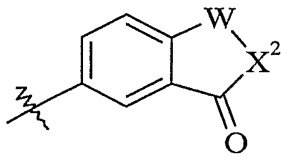
28. The compound of any one of claims 20-26 wherein R^{3b} is OR^{10} and R^{10} is H or C_1-C_4 alkyl.

29. The compound of any one of claims 20-26 wherein R is H and R^{3b} combines with the phenyl with which it is attached to form:



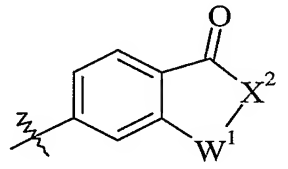
and W^1 is CH_2 and X^3 is NR^{11} and R^{11} is H.

30. The compound of any one of claims 20-26 wherein R is H and R^3 combines with the phenyl with which it is attached to form:



and R^8 is H or C_1-C_4 alkyl.

31. The compound of any one of claims 20-26 wherein R is H and R^3 combines with the phenyl with which it is attached to form:



and R^8 is H or C_1-C_4 alkyl.

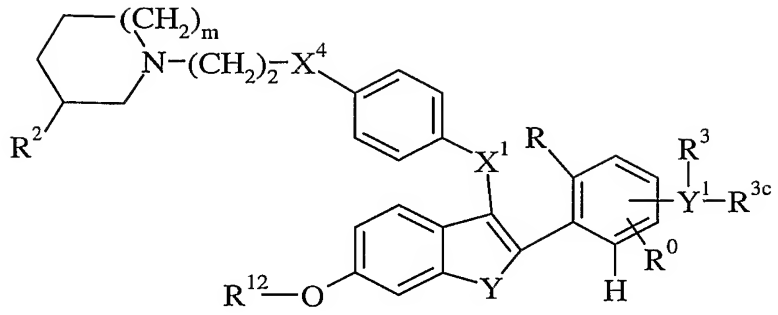
32. The compound of any one of claims 1-31 which is the hydrochloride salt.

33. A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-32.

34. A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-32.

35. A compound of any one of claims 1-32 for use in treating endometriosis and/or uterine leiomyoma.

36. A compound of formula III:



III;

wherein:

m is 0, 1 or 2;

R^0 is H, F or OH;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

Y is S or CH=CH;

Y^1 is C=O or C(OH);

R^3 is H or C_1-C_6 alkyl;

R^{3c} is absent or is H or C_1-C_6 alkyl provided that if Y^1 is C(OH), then R^{3c} is H or C_1-C_6 alkyl and that if Y^1 is C=O, then R^{3c} is absent;

R^{12} is H, C_1-C_6 alkyl, benzyl, SO_2CH_3, SO_2(n-C_4-C_6 alkyl) or COR^4;

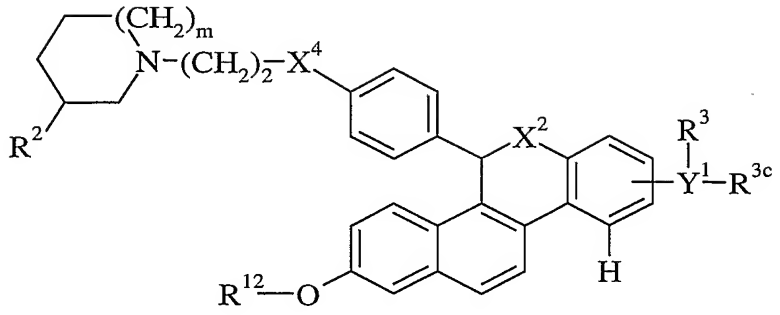
X^4 is O or NR^{13};

R^4 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^7, phenoxy, or phenyl optionally substituted with halo;

R^6 and R^7 are independently H, C_1-C_6 alkyl or phenyl;

R^{13} is H, C_1-C_6 alkyl or CO_2(C_1-C_6 alkyl); and

R is H and X^1 is O, CH_2 or CO or R combines with X^1 to form a moiety of the formula:



;

wherein X^2 is O or S;

provided that if Y^1 is C(OH), then R^{12} is C_1-C_6 alkyl, SO_2CH_3 or benzyl or X^4 is NR^{13} and R^{13} is $CO_2(C_1$-C_6 alkyl); or an acid addition salt thereof.

37. The compound of claim 36 wherein R^0 is H.

38. The compound of claim 37 wherein R is H.

39. The compound of claim 38 wherein X^4 and X^1 are O and m is 1 or 2.

40. The compound of claim 38 or claim 39 wherein R^{12} is SO_2CH_3, benzyl or methyl.

41. The compound of any one of claims 38-40 wherein Y is CH=CH and m is 1.

42. The compound of any one of claims 38-41 wherein R^3 and R^{3c} are independently H or C_1-C_4 alkyl.

43. The compound of any one of claims 38-42 wherein R^3 and R^{3c} are independently H or methyl.

44. The compound of any one of claims 38-43 wherein the $Y^1R^3R^{3c}$ moiety is at position 4.

45. The compound of claim 37 wherein R combines with X^1.

46. The compound of claim 45 wherein X^4 is O and m is 1 or 2.

47. The compound of claim 45 or claim 46 wherein R^{12} is SO_2CH_3, benzyl or methyl.

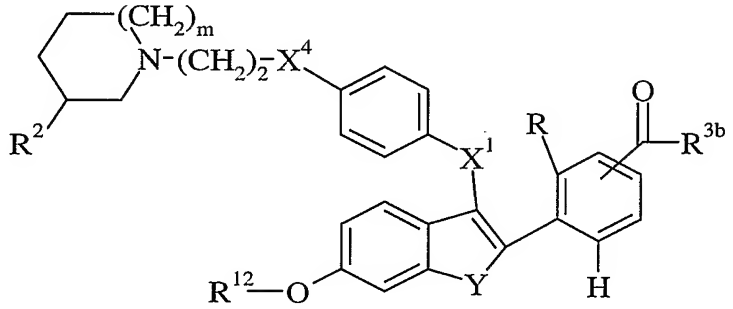
48. The compound of any one of claims 45-47 wherein X^2 is O and m is 1.

49. The compound of any one of claims 45-48 wherein R^3 and R^{3c} are independently H or C_1-C_4 alkyl.

50. The compound of any one of claims 45-49 wherein R^3 and R^{3c} are independently H or methyl.

51. The compound of any one of claims 45-50 wherein the $Y^1R^3R^{3c}$ moiety is at position 4.

52. A compound of formula IV:



IV;

wherein:

m is 0, 1 or 2;

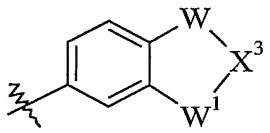
R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

Y is S or CH=CH;

Y^1 is C=O or C(OH);

R^{12} is H, C_1-C_6 alkyl, benzyl, SO_2CH_3, SO_2(n-C_4-C_6 alkyl) or COR^4;

R^{3b} is NR^8R^9 or OR^{10} or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W^1 are CH_2 or C=O provided that at least one of W or W^1 must be C=O; and X^3 is NR^{11} or O;

X^4 is O or NR^{13};

R^4 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^7, phenoxy, or phenyl optionally substituted with halo;

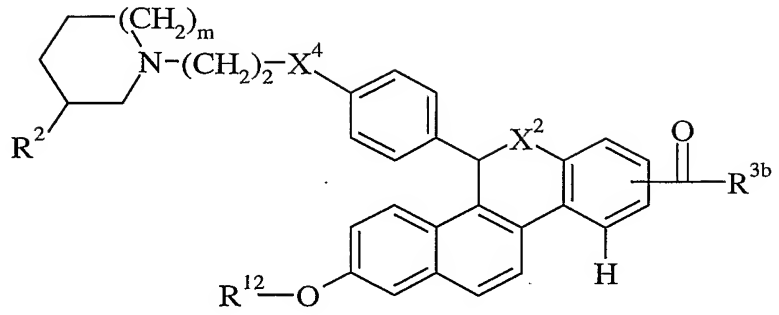
R^6 and R^7 are independently H, C_1-C_6 alkyl or phenyl;

R^8 and R^9 are independently H or C_1-C_6 alkyl or R^8 and R^9 may combine with the nitrogen to which they are both attached to form a morpholino, pyrollidino or piperidino ring;

R^{10} and R^{11} are independently H or C_1-C_6 alkyl;

R^{13} is H, C_1-C_6 alkyl or CO_2(C_1-C_6 alkyl); and

R is H and X^1 is O, CH_2 or CO or R combines with X^1 to form a moiety of the formula:



wherein X^2 is O or S;

provided that if R^{12} is H, SO_2(n-C_4-C_6 alkyl) or COR^4, then X^4 is NR^{13} and R^{13} is CO_2(C_1-C_6 alkyl); or an acid addition salt thereof.

53. The compound of claim 52 wherein R^8 and R^9 are independently H or C_1-C_6 alkyl.

54. The compound of claim 53 wherein X^4 and X^1 are O and m is 1 or 2.

55. The compound of claim 53 or claim 54 wherein R^{12} is SO_2CH_3, benzyl or methyl.

56. The compound of any one of claims 53-55 wherein Y is CH=CH.

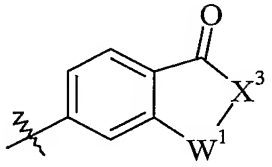
57. The compound of any one of claims 53-56 wherein the COR^{3b} moiety is at the 3- or 4-position.

58. The compound of any one of claims 53-57 wherein the COR^{3b} moiety is at the 4-position.

59. The compound of any one of claims 53-58 wherein R^{3b} is NR^8R^9 and R^8 and R^9 are independently H or C_1-C_4 alkyl.

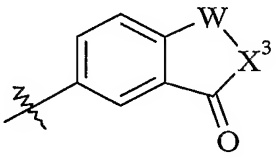
60. The compound of any one of claims 53-59 wherein R^{3b} is OR^{10} and R^{10} is H or C_1-C_4 alkyl.

61. The compound of any one of claims 53-60 wherein R is H and R^{3b} combines with the phenyl with which it is attached to form:



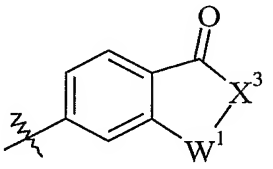
and W^1 is CH_2 and X^3 is NR^{11} and R^{11} is H.

62. The compound of any one of claims 53-60 wherein R is H and R^{3b} combines with the phenyl with which it is attached to form:



and R^{11} is H or C_1-C_4 alkyl.

63. The compound of any one of claims 53-60 wherein R is H and R^{3b} combines with the phenyl with which it is attached to form:



and R^{11} is H or C_1-C_4 alkyl.